

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method for recovery of metals, in particular copper, from copper-bearing raw material ~~that contains~~ containing also other valuable metals, iron, and sulphur, the method comprising:

where leaching said raw material is leached into an aqueous solution of copper chloride and hydrochloric acid in a leaching stage; , whereby iron and sulphur remain in a deposit formed in leaching, the method comprising:

adjusting a redox potential of a copper-containing raw material leach in [[a]] the leaching stage using a feed of an oxydating agent to the range of 480 – 500 mV with regard to [[an]] a Ag/AgCl electrode, whereby iron and sulphur remain in a deposit formed in leaching and the copper and other valuable metals in the copper chloride aqueous solution coming from leaching are is mainly divalent;

feeding the cupric chloride aqueous solution coming from the leaching stage to the first extraction stage of a two-stage liquid-liquid extraction stage;

separating extracting, in the first extraction stage, copper from the cupric chloride aqueous solution coming from the leaching stage in the liquid-liquid extraction stage into a first organic extraction solution while the other valuable metals remain in the aqueous solution coming from the leaching stage;

partitioning the aqueous solution coming from the first extraction stage into a first part and a second part;

feeding the first part of the aqueous solution back to the leaching stage;

neutralizing the second part of the aqueous solution;

feeding the neutralized aqueous solution into the second extraction stage;

extracting, in the second extraction stage, copper from the neutralized aqueous solution into a second organic extraction solution while the other valuable metals remain in the neutralized aqueous solution;

transferring the copper first and second organic solutions to a stripping stage where copper is transferred from the organic solution into having an aqueous solution of sulphuric acid; and

feeding the copper in the aqueous solution of sulphuric acid from the stripping stage to an electrowinning stage for recovery of elemental copper.

2. (Currently amended) [[A]] The method according to claim 1, wherein the oxydating agent is oxygen.
3. (Currently amended) [[A]] The method according to claim 1, wherein the oxydating agent is air.
- 4-6. (Cancelled)
7. (Currently amended) [[A]] The method ~~[[in]]~~ according to claim ~~[[4]]~~ 1, wherein the extraction stages operate in parallel connection in relation to a ~~flow of~~ the organic solution.
8. (Currently amended) [[A]] The method according to claim 1, wherein the extraction ~~occurs at a maximum~~ temperature is less than or equal to about ~~[[of]]~~ 40°C.
9. (Currently amended) [[A]] The method according to claim 1, wherein ~~[[an]]~~ the aqueous solution of sulphuric acid fed to the stripping stage ~~[[is]]~~ comprises a return acid from the copper electrowinning stage.
10. (Currently amended) [[A]] The method according to claim 1, further comprising precipitating the other valuable metals ~~of the copper-containing raw material~~ from the

aqueous solution after coming from the second extraction stage using alkali hydroxide precipitation.

11. (Currently amended) ~~[[A]]~~ The method according to claim 1, wherein the copper-bearing raw material ~~contains precious metals such as~~ comprises gold and/or platinum group metals.
12. (Currently amended) ~~[[A]]~~ The method according to claim 11, further comprising precipitating the gold and/or platinum group metals in connection with precipitation of sulphur and iron, the gold and/or platinum group metals being recovered from a precipitate deposit during a sulphur flotation stage.
13. (Currently amended) ~~[[A]]~~ The method according to claim ~~[[11]]~~ 1, wherein a pH value in the ~~copper-bearing raw material~~ leaching stage is at least 1.5.
14. (Currently amended) ~~[[A]]~~ The method according to claim 10, wherein the other valuable metals are selected from the group consisting ~~essentially~~ of nickel, cobalt and zinc.
15. (New) The method according to claim 10, further comprising treating the aqueous solution coming from the precipitation step with sulphuric acid whereby hydrochloric acid is obtained; and feeding the treated aqueous solution back to the leaching stage.